

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A vibrator comprising:

a coreless coil, having an axis and disposed in a central portion of the vibrator;

a driver including a magnet to be inserted in said the coreless coil, a yoke, for sandwiching said coreless coil and opposing said magnet and a top plate attached to magnet;
and

at least one suspension ~~for carrying resiliently~~
said supporting the driver resiliently,

wherein the at least one suspension comprises a pair of ~~right and left plate springs, in which one end of each plate spring is fixed and another end of each plate spring is opened, said driver being supported by the opened other ends of the pair of plate springs, and~~ disposed in axisymmetrical positions to support from both sides of the driver,

wherein the pair of plate springs disposed at the both sides of the driver are arranged on a line extending in a substantially perpendicular direction to the axis,

wherein an outer end of each plate spring is fixed and an inner end of each plate spring which is opened supports the

driver, wherein the open inner ends of the pair of plate
springs support the driver from both sides, and

wherein an alternate current ~~is~~ applied to said
coreless coil to generate vibrations by reciprocation of said
driver in ~~an~~ the axial direction ~~of said coreless coil.~~

2. (Currently Amended) The vibrator according to
claim 1, wherein said driver includes ~~at least one weight a~~
pair of weights attached to both sides of said yoke.

3. Cancelled).

4. (Currently Amended) The vibrator according to
claim 1, wherein ~~the pair of right and left plate springs are~~
~~disposed axisymmetrically and the driver is reciprocated in~~
~~the axial direction~~ said at least one suspension comprises two
suspensions each of which includes a pair of plate springs
disposed to support from the both sides of the driver;

wherein the two suspensions are configured to
sandwich the driver at above and below portions of the driver
in the axial direction.

5. (Cancelled).

6. (Currently Amended) The vibrator according to
claim 1, further comprising a case wherein ~~said~~ the coreless

coil, the driver and the at least one suspension are contained in a ~~a~~ the case.

7. (Currently Amended) The vibrator according to claim 6, wherein ~~said the~~ case includes a frame having an opening for surrounding the driver, a base for fixing the coreless coil and closing one side of the opening of the frame, and a protector for closing ~~another~~ the other side of the opening of the frame.

8. (Currently Amended) The vibrator according to claim 7, wherein ~~said the~~ case has a spacer, ~~the~~ at least one suspension being ~~supported~~ fixed between the spacer and frame.

9. (Cancelled).

10. (Currently Amended) A vibrator having an elongated ~~length~~ shape comprising:

a coreless coil having an axis and being centrally located ~~along in the length of said~~ elongated vibrator;

a driver including a magnet to be inserted in ~~said the~~ coreless coil, a yoke, ~~for sandwiching said coreless coil and opposing said magnet,~~ and a top plate attached to the magnet;

at least one suspension ~~for resiliently carrying~~
~~said supporting the driver resiliently, [;]~~
_____ wherein ~~said the~~ at least one suspension ~~comprises~~
~~comprising~~ a first pair of plate springs disposed in a
~~axisymmetrical positions~~ substantially ~~common plane~~
perpendicular to the axis ~~of said coil and on supporting from~~
opposite sides of said driver and extending ~~lengthwise of said~~
~~along the elongated shape of the vibrator,~~
_____ an outer end of each ~~said spring distal distant~~ from
~~said the~~ vibrator being anchored and an inner end of each ~~said~~
plate spring proximal to ~~said the~~ vibrator being ~~unanchored~~
opened and supporting ~~said the~~ driver, and
_____ whereby opposite portions of said the driver are
being supported by said proximal the inner ends, of said plate
springs; and

means for applying alternate current to said
coreless coil to generate vibrations by reciprocation of said
driver in the axial direction ~~of said coreless coil.~~

11. (Currently Amended) The vibrator according to
claim ~~12-10~~ further comprising a second suspension for
~~resiliently carrying said supporting the driver resiliently~~
and disposed ~~along a plane in~~ axisymmetrical positions
parallel to the ~~plane of said first pair of plate springs.~~